REINITIALIZE NODE 1 MDMs

1. VERIFY MDM STATES AND MDM IDs

PCS2(1) Node 1: C&DH: MDM N1-2(1)
PRIMARY NCS MDM Node 1

√STATE - Primary
√MDM ID - N1-2(1)

PCS2(1) Node 1: C&DH: MDM N1-1(2)
SECONDARY NCS MDM Node 1

√Frame Count - static

PCS2(1) Node 1: C&DH: MDM N1-2(1)
PRIMARY NCS MDM Node 1
'Software Control'

sel Transmit Mode Code

Primary_NCS_Transmit_Mode_Code

sel Primary NCS Xmt Mode Code Commands
cmd Xmt_Stat_Word_Tmplt
enter Bus ID - 2
enter RT Address - 6(5) **Execute**

√Subsystem Flag Set - X (set)

If Subsystem Flag Bit is set, N1-1(2) MDM is in Diagnostic State and is ready to accept diagnostic commands.

If Reinitialize MDM from EEPROM, go to step 3.

If Reinitialize MDM from DRAM, go to step 2.

2. PERFORM MDM REINITIALIZATION FROM DRAM

PCS2(1) Node 1: C&DH: MDM N1-2(1)
PRIMARY NCS MDM Node 1
'Software Control'

sel MDM Utilities
sel Commands

NOTE

1. Startup process will execute from the UAS currently loaded in DRAM.

2. No POST is performed.

cmd N1_1(2)_MDM_Re_Init_MDM_DRAM **Execute**

Wait 60 seconds for MDM to reinitialize.
Go to step 4.

3. PERFORM MDM REINITIALIZATION FROM EEPROM

PCS2(1) Node 1: C&DH: MDM N1-2(1)
PRIMARY NCS MDM Node 1
'Software Control'

sel MDM Utilities
sel Commands

NOTE

1. Reinitialize MDM from EEPROM will cause the loss of all current information in the DRAM such as BST, current Bus, RT, and application configuration.

2. All UAS and default Configuration Tables will be loaded from EEPROM.

3. Normal POST will also be performed.

cmd N1_1(2)_MDM_Re_Init_MDM_EEPROM **Execute**

Wait 60 seconds for MDM to reinitialize.

4. VERIFY MDM STATE AFTER REINITIALIZATION

PCS2(1) Node 1: C&DH: MDM N1-1(2)
SECONDARY NCS MDM Node 1

√Frame Count - incrementing

'MDM Major State:'

√STATE - Standby
√MDM ID - N1-1(2)

****
* If state is not Standby *
* *
* √**MCC** *
****

5. ENABLE NCS AUTO RETRY

PCS2(1) Node 1: C&DH: MDM N1-2(1)

PRIMARY NCS MDM Node 1

'Software Control'

sel MDM Utilities

√Primary_NCS_Auto_Retry_Ena - blank (Inhibited)

If X (Enable) >>

sel Commands

cmd Primary_NCS_Ena_NCS_Retry **Execute**

√Primary_NCS_Auto_Retry_Ena - X (Enable)